

REMARKS

Reconsideration and allowance of this application are respectfully requested in light of the following remarks.

Claims 12-15 stand rejected, under 35 USC §103(a), as being unpatentable over Ojha et al. (Impact of Noise and Target Fluctuation on the Performance of Frank Polyphase Coded Radar Signals) in view of Widdowson et al. (US 7,372,891) and Ohmi et al. (US 7,330,496). The Applicant respectfully traverses these rejections as follows.

Claim 12 defines a CDMA transmission apparatus having an inverse discrete Fourier transformer that constitutes both a spreading code generator and a spreader.

The Office Action acknowledges that neither Ojha nor Widdowson discloses this subject matter (see Office Action page 3, second paragraph), but proposes that Ohmi does disclose this subject matter in Fig. 1 (see page 3, third paragraph).

However, as illustrated in Ohmi's Fig. 1, Ohmi's spreading section 22 is a distinct and separate component from Ohmi's inverse Fourier transform section 15 (see Ohmi col. 5, lines 17-24). Thus, Ohmi does not disclose the Applicant's claimed subject matter wherein an inverse discrete Fourier transformer constitutes both a spreading code generator and a spreader within a single entity.

Claims 13 and 15 similarly recite that a plurality of cascaded inverse discrete Fourier transformers constitute a spreading code generator and a spreader; these transformers perform an inverse discrete Fourier transform on a signal hierarchically. Claim 14 recites that a discrete Fourier transformer constitutes a spreading code generator and a despreader. Ohmi does not disclose cascaded inverse discrete Fourier transformers that constitute a spreading code

and a spreader or a discrete Fourier transformer that constitutes a spreading code generator and a despreader.

Accordingly, the Applicant submits that the teachings of Ojha, Widdowson and Ohmi, even if combined as proposed in the Office Action, still would lack the above-noted subject matter of claims 12-15 and thus these references, considered individually or in combination, do not render obvious the subject matter defined by claims 12-15. Therefore, allowance of claims 12-15 is warranted.

In view of the above, it is submitted that this application is in condition for allowance and a notice to that effect is respectfully solicited.

If any issues remain which may best be resolved through a telephone communication, the Examiner is requested to telephone the undersigned at the local Washington, D.C. telephone number listed below.

Respectfully submitted,

/James Edward Ledbetter/

Date: April 12, 2010
JEL/DWW/att

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